CLASS

(YES/NO)

SERIAL NO. ATTY DOCKET NO. P41 9321 FORM PTO-1449 US Department of ′07/907,908 Commerce Patent and Trademark Office Evans et al. APPLICANT: INFORMATION DISCLOSURE GROUP 7/2/92 FILING DATE: STATEMENT BY APPLICANT 1435 U.S. PATENT DOCUMENTS FILING CLASS SUB-NAME EXAM. DOCUMENT DATE DATE CLASS NUMBER INITIALS FOREIGN PATENT DOCUMENTS TRANSLATION SUB-**CLASS** DOCUMENT DATE COUNTRY EXAM.

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages)

NUMBER

INITIALS

Kumar and Chambon, "The Estrogen Receptor Binds Tightly to 1ts Responsive Element as a Ligand-Induced Homodimer", Cell Vol. 55:145-156 (1988). Tsai et al., "Holecular Interactions of Steroid Mormone Receptor with Its Enhancer Element: Evidence for Receptor Dimer Formation", Cell Vol. 55:361-369 (1988). Murray and Towle, "Identification of Nuclear Factors that Enhance Binding of the Thyroid Hormone a Receptor to a Thyroid Hormone Response Element", Molecular Endocrinology Vol. 3:1434-1442 (1989). Glass et al., "Multiple Cell Type-Specific Proteins Differentially Regulate Target Sequence Recognition by the α Retinoic Acid Receptor", Cell Vol. 63:729-738 (1990). Liao et al., "Vitamin D receptor interaction with specific DNA requires a nuclear protein and 1,25dihydroxyvitamin D3", Proc. Natl. Acad. Sci. USA Vol. 87:9751-9755 (1990). Leid et al., "Purification, Cloning, and RXR Identity of the HeLa Cell Factor with Which RAR or TR Heterodimerizes to Bind Target Sequences Efficiently", Cell Vol. 68:377-395 (1992). Yu et al., RXRB: A Coregulator That Enhances Binding of Retinoic Acid, Thyroid Hormone, and Vitamin D Receptors to Their Cognate Response Elements, Cell Vol. 67:1251-1266 (1991). Kliewer et al., "Retinoid X receptor interacts with nuclear receptors in retinoic acid, thyroid hormone and vitamin D₃ signalling", Nature Vol. 355:446-449 (1992). Zhang et al., "Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors", Nature Vol. 355:441-446 (1992). Cherbas et al., "The Action of Ecdysone in Imaginal Discs and KcCells of <u>Drosophila melanogaster</u>" Biosynthesis, metabolism and mode of action of invertebrate hormones, (ed. J Hoffman & M. Porchet pp. 305-322 Springer-Verlag, Berlin, 1984). Koelle et al., "The Drosophila EcR Gene Encodes an Ecdysone Receptor, a New Hember of the Steroid Receptor Superfamily", Cell Vol. 67:59-77 (1991). Kunkel, Thomas A., "Rapid and efficient site-specific mutagenesis without phenotypic selection", Proc. Natl. Acad. Sci. USA Vol. 82:488-492 (1985). Soeller et al., "In vitro transcription of the <u>Drosophila engrailed</u> gene", Genes & Development Vol. a_{r} 2:68-81 (1988). 9 Kliewer et al., "Convergence of 9-cis retinoic acid and peroxisome proliferator signalling pathways through heterodimer formation of their receptors", Nature Vol. 358:771-774 (1992). Noda et al., "Identification of a DNA sequence responsible for binding of the 1,25-dihydroxyvitamin D₃ receptor and 1,25-dihydroxyvitamin D, enhancement of mouse secreted phosphoprotein 1 (Spp-1 or osteopontin) gene expression", Proc. Natl. Acad. Sci. USA Vol. 87:9995-9999 (1990).

FORM PTO-1449 US Department of Commerce Patent and Trademark Office

ATTY DOCKET NO. P41 9321

SERIAL NO. 07/907/908

APPLICANT: Evans et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FILING DATE: 7/2/92

GROUP

	1 10-2(1
av	Sap et al., "Repression of transcription mediated at a thyroid hormone response element by the v- <u>erb</u> -A oncogene product", Nature Vol. 340:242-244 (1989).
ar	Forman et al., "A Domain Containing Leucine-Zipper-Like Motifs Mediate Novel <u>in vivo</u> Interactions between the Thyroid Hormone and Retinoid Acid Receptors", Molecular Endocrinology Vol. <u>3</u> :1610-1626 (1989).
N	Fawell et al., "Characterization and Colocalization of Steroid Binding and Dimerization Activities in the House Estrogen Receptor", Cell Vol. 60:953-962 (1990).
ar	Riddihough and Pelham, "An ecdysone response element in the <u>Drosophila</u> hsp27 promoter", The EMBO Journal Vol. 6:3729-3734 (1987).
dr	Richards, Geoff, "The Radioimmune Assay of Ecdysteroid Titres in <u>Drosophila melanogaster</u> ", Molecular and Cellular Endocrinology Vol. <u>21</u> :181-197 (1981).
a/	Oro et al., The <u>Drosophila</u> retinoid X receptor homolog <u>ultraspiracle</u> functions in both female reproduction and eye morphogenesis", Development Vol. 115:449-462 (1992).
8	Yang et al., "Characterization of DNA binding and retinoic acid binding properties of retinoic acid receptor", Proc. Natl. Acad. Sci. USA Vol. 88:3559-3563 (1991).
ar/	Damm et al., "Protein encoded by v- <u>erb</u> A functions as a thyroid-hormone receptor antagonist", Nature Vol. 339:593-597 (1989).
KN	Sucov et al., "Characterization of an autoregulated response element in the mouse retinoic acid receptor type B gene", Proc. Natl. Acad. Sci. USA Vol. 87:5392-5396 (1990).
29	de The et al., "Identification of a retinoic acid responsive element in the retinoic acid receptor B gene", Nature Vol. 343:177-180 (1990).
de l	Thompson and Evans, "Trans-activation by thyroid hormone receptors: Functional parallels with steroid hormone receptors", Proc. Natl. Acad. Sci. USA Vol. 86:3494-3498 (1989).
A	Issemann and Green, "Activation of a member of the steroid hormone receptor superfamily by peroxisome proliferators", Nature Vol. 347:645-650 (1990).
w	Oro et al., "Relationship between the product of the <u>Drosophila ultraspiracle</u> locus and the vertebrate retinoid X receptor", Nature Vol. 347:298-301 (1990).
W	Evans, Ronald M., "The Steroid and Thyroid Hormone Receptor Superfamily", Science Vol. <u>240</u> :889-895 (1988).
as	Vaughan et al., ™Detection and Purification of Inhibin Using Antisera Generated against Synthetic Peptide Fragments", Hethods in Enzymology Vol. 168:588-617 (1989).
R	Hangelsdorf et al., "Nuclear receptor that identifies a novel retinoic acid response pathway", Nature Vol. 345:224-229 (1990).
20	Sladek et al., "Liver-enriched transcription factor HNF-4 is a novel member of the steroid hormone receptor superfamily", Genes & Development Vol. 4:2353-2365 (1990).
8	Hiyajima et al., "Identification of two novel members of <u>erb</u> A superfamily by molecular cloning: the gene products of the two are highly related to each other", Nucleic Acids Research Vol. <u>16</u> :11057-11074 (1988).
M	Wang et al., ™COUP transcription factor is a member of the steroid receptor superfamily™, Nature Vol. 340:163-166 (1989).
B	Mlodzik et al., "The Drosophila <u>seven-up</u> Gene, a Hember of the Steroid Receptor Gene Superfamily, Controls Photoreceptor Cell Fates", Cell Vol. 60:211-224 (1990).
8	Ladias and Karathanasis, "Regulation of the Apolipoprotein AI Gene by ARP-1, a Novel Member of the Steroid Receptor Superfamily", Science Vol. 251:561-565 (1991).
a	Umesono et al., "Direct Repeats as Selective Response Elements for the Thyroid Hormone, Retinoic Acid, and Vitamin D_3 Receptors", Cell Vol. <u>65</u> :1255-1266 (1991).
00	Oro et al., "Relationship between the product of the <u>Drosophila ultraspiracle</u> locus and the vertebrate retinoid X receptor", Nature Vol. 347:298-301 (1990).

FORM PTO-1449 US Department of Commerce Patent and Trademark Office

ATTY DOCKET NO. P41 9321

57,576,798 SERIAL NO. 07/907,908

APPLICANT:

Evans et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FILING DATE: 7/2/92

GROUP

	[03]
W	Hollenberg and Evans, "Multiple and Cooperative <u>trans</u> -Activation Domains of the Human Glucocorticoid Receptor", Cell Vol. <u>55</u> :899-906 (1988).
2 2 2 X	Giguere et al., "Identification of a receptor for the morphogen retinoic acid", Nature Vol. 330:624-629 (1987).
ar	Umesono et al., "Retinoic acid and thyroid hormone induce gene expression through a common responsive element", Nature Vol. 336:262-265 (1988).
0	Cherbas et al., "Identification of ecdysone response elements by analysis of the <u>Drosophila Eip</u> 28/29 gene", Genes & Development Vol. <u>5</u> :120-131 (1991).
EXAMINER	DATE CONSIDERED 10 14 00

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.